

FIG. 2A

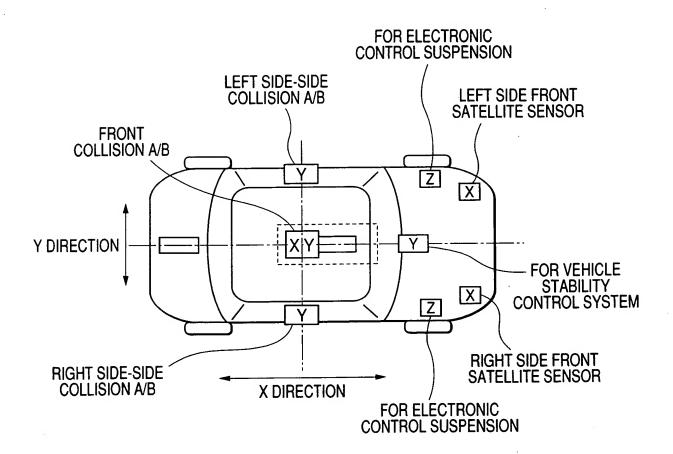
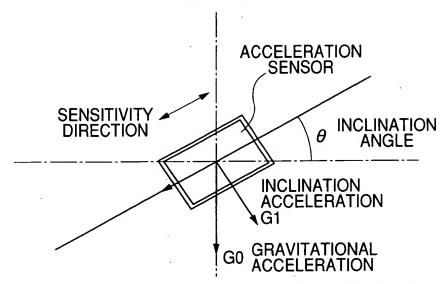
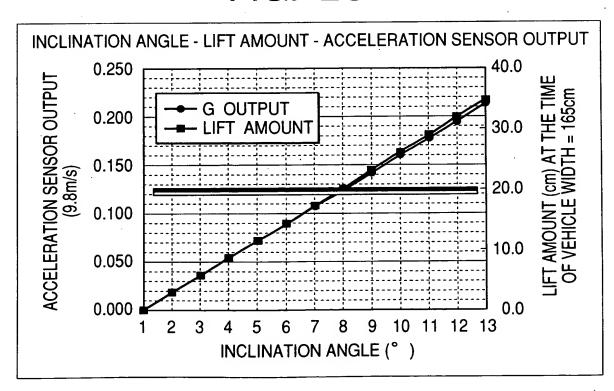


FIG. 2B



 $\left(\begin{array}{l} \mathsf{ACCELERATION} \ \mathsf{SENSOR} \ \mathsf{OUTPUT} = \mathsf{G0} \star \mathsf{COS} \ (90 - \theta) \\ \mathsf{LIFT} \ \mathsf{AMOUNT} = \mathsf{VEHICLE} \ \mathsf{WIDTH} \star \mathsf{SIN} \cdot \theta \end{array} \right)$

FIG. 2C



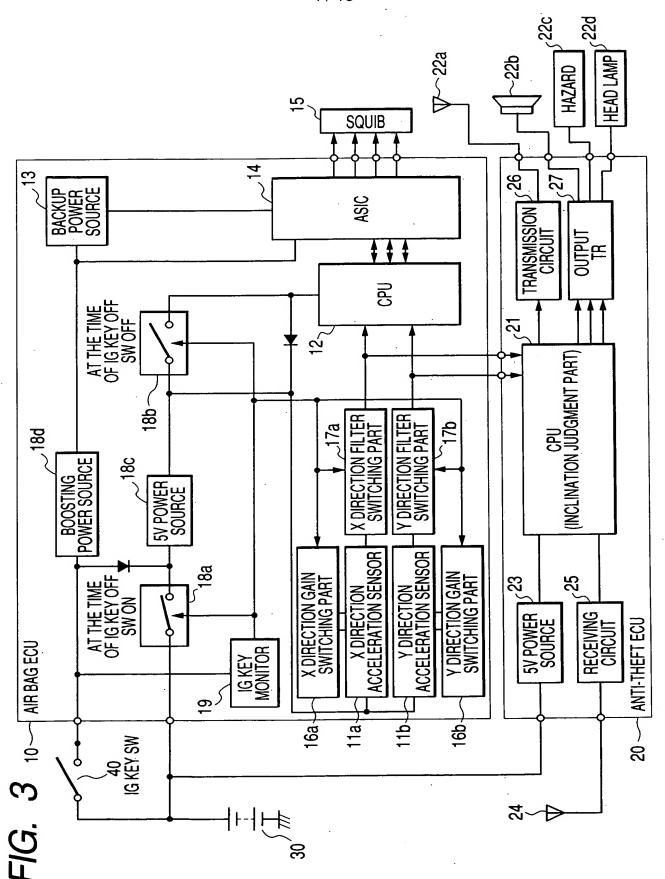


FIG. 4

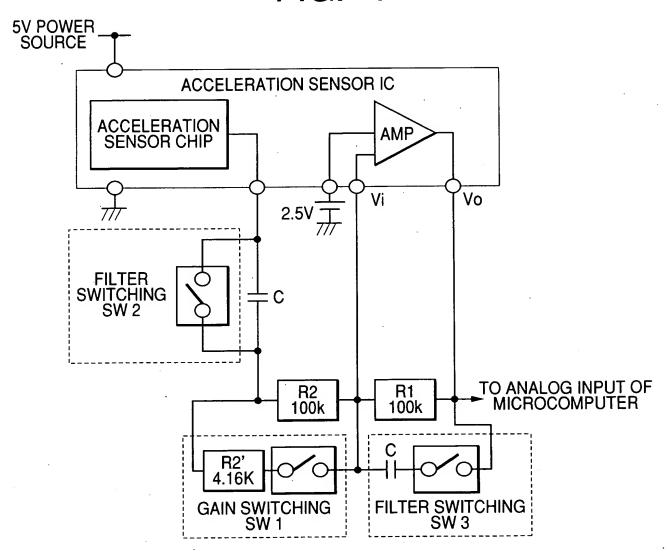


FIG. 5A

IG KEY	GAIN SWITCHING SW 1	FILTER SWITCHING SW 2	FILTER SWITCHING SW 3	GAIN	CUTOFF FREQUENCY
ON	OFF	OFF	OFF	±50G	200Hz
OFF	ON	ON	ON	±2G	50Hz

FIG. 5B

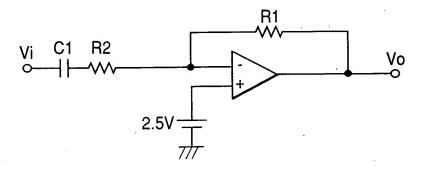


FIG. 5C

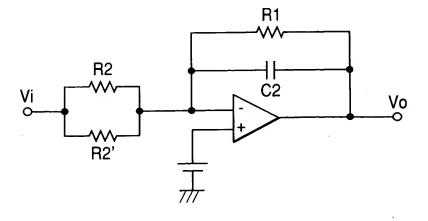


FIG. 6

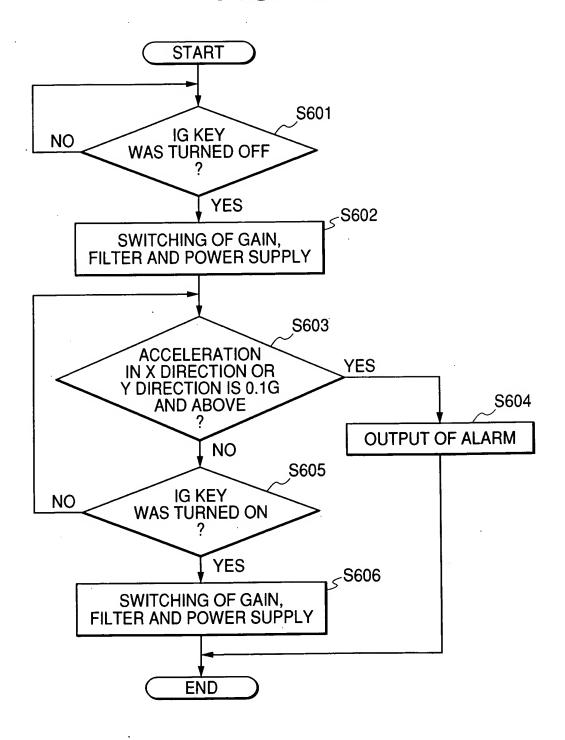
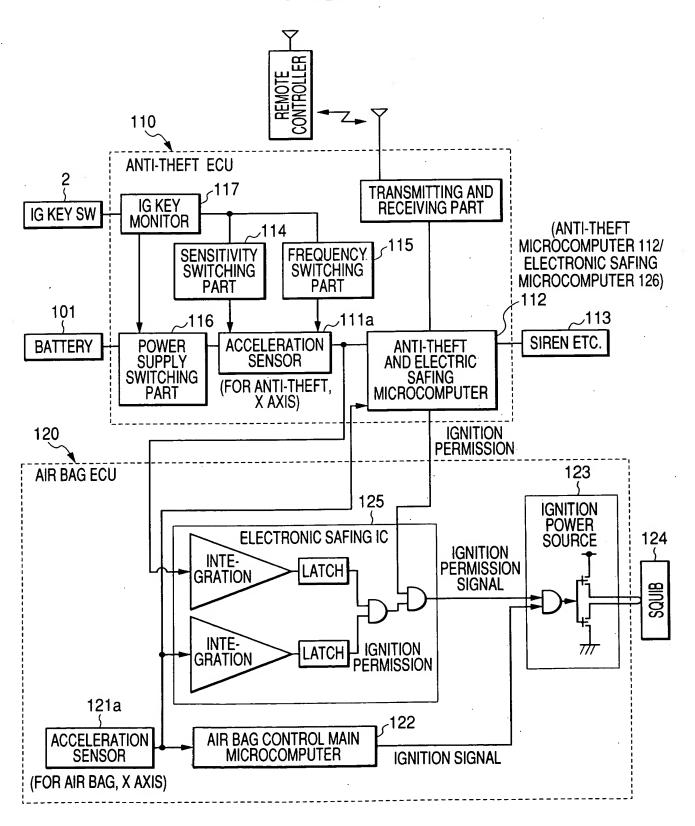


FIG. 7





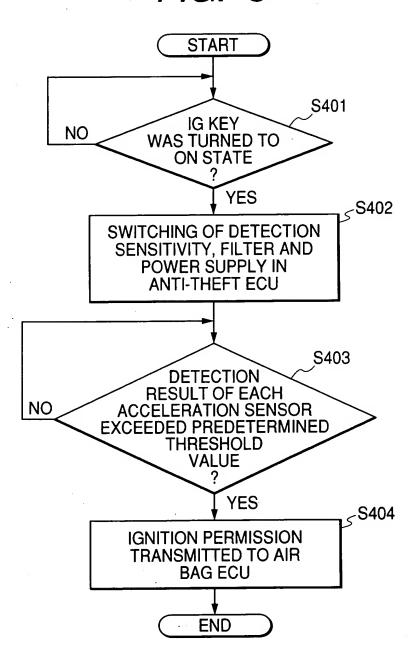


FIG. 9

